

MCM3 monoclonal antibody

Catalog: MB23415

Host: Mouse

Reactivity: Human,Rat,Monkey

BackGround:

The protein encoded by this gene is one of the highly conserved mini-chromosome maintenance proteins (MCM) that are involved in the initiation of eukaryotic genome replication. The hexameric protein complex formed by MCM proteins is a key component of the pre-replication complex (pre_RC) and may be involved in the formation of replication forks and in the recruitment of other DNA replication related proteins. This protein is a subunit of the protein complex that consists of MCM2-7. It has been shown to interact directly with MCM5/CDC46. This protein also interacts with and is acetylated by MCM3AP, a chromatin-associated acetyltransferase. The acetylation of this protein inhibits the initiation of DNA replication and cell cycle progression. Several transcript variants encoding different isoforms have been found for this gene.

Product:

Purified antibody in PBS with 0.05% sodium azide

Molecular Weight:

91kDa

Swiss-Prot:

P25205

Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB:1/500 - 1/2000 IHC:1/200 - 1/1000 IF:1/50 - 1/200
FC:1/200 - 1/400

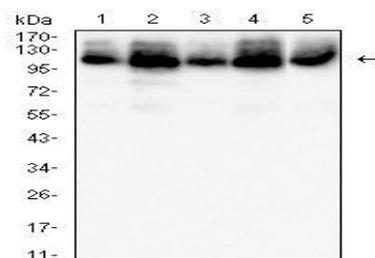
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

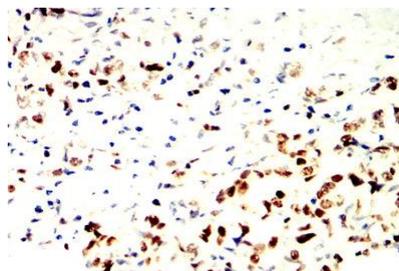
Isotype:

Mouse IgG1

DATA:



Western blot analysis using MCM3 mouse mAb against PC-12 (1), HepG2 (2), HeLa (3) and COS7 (4) cell lysate.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissues using MCM3 mouse mAb with DAB staining.



Immunofluorescence analysis of HeLa cells using MCM3 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

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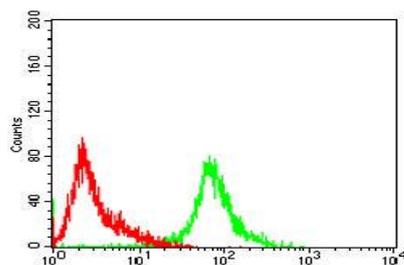
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Flow cytometric analysis of Hela cells using MCM3 mouse mAb (green) and negative control (red).

Note:

For research use only, not for use in diagnostic procedure.

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